

# Receiving Report

Date: 14/9/24  
 Supplier: TKYSSCH

Batch No: M130451  
 Dart P/O: 25832

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection ☒ N/A ☐  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
	<u>UHR Ps. Pun B o.</u>						

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

14/9/24  
[Signature]

Location

## Page 1 of 1

All amounts are calculated in domestic currency.

## All Line Item Types

## Currencies

Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO25832	2		M174R0.750	f	9/26/2014	9/24/2014	24.0000	\$6.90	0.0000	0	\$165.55
CAD	No		17-4 round bar .750	f	24.0000	DESJ02		\$165.55	0.0000	0	
			M130451								
	6		M303R0.500	f	9/26/2014	9/24/2014	48.0000	\$1.52	0.0000	0	\$72.84
	No		303 Round Bar 0.500"	f	48.0000	DESJ02		\$72.84	0.0000	0	
			M130451								
	7		M303R0.750	f	9/26/2014	9/24/2014	48.0000	\$2.93	0.0000	0	\$140.82
	No		303 Round Bar 0.750	f	48.0000	DESJ02		\$140.82	0.0000	0	
			M130451								
	8		M304B1.000X1.000	f	9/26/2014	9/24/2014	12.0000	\$11.63	0.0000	0	\$139.61
	No		304 bar 1.00 x 1.00	f	12.0000	DESJ02		\$139.61	0.0000	0	
			M130451								
Total Received Quantity:											132.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$518.82
Total Balance Due Quantity:											0.0000

# B I L L O F L A D I N G

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 897217  
Ship Date 22Sep14 at 9:52 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frnt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-723274- 1 Your PO # 25832  
STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
.750" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
745675	334658	24 FT	2	36

2) Our Order PEC-723274- 2 Your PO # 25832  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.50" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
N2H5	334659	48 FT	4	32

3) Our Order PEC-723274- 3 Your PO # 25832  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.750" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
32150	334660	48 FT	4	73

4) Our Order PEC-723274- 4 Your PO # 25832  
STAINLESS STEEL SQ BAR 304L  
1.00" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
33717	334661	12 FT	1	41

TOTAL:	Tags	PCS	LBS
	4	11	182

Heat Number  
32150

\*\*\* Chemical Analysis \*\*\*

Page: 1 ....Continued

ALUMINIUM LAYON - CUIVRE - PLASTIQUE ACIER  
ALUMINUM - BRASS - COPPER - PLASTICS STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

SHIP FROM:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

SHIP DATE 22Sep14 at 9:52 From PFW  
PROBILL  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

SHIP TO: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

33717  
745675  
N2H5

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 1 BDL GW 205 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

ALUMINIUM - CATION - CUIVRE - PLASTIQUE - ACIER INOX  
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
.750" DIA X 144.0000"  
PART NO.

PO/Rel 25832

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.


## Certificate of Mill Test Results

BL PEC-897217-001

22Sep14

Signed by:

Pg 1/2

CERTIFICATE OF TESTS CERT SERIAL# 000892657		ABNAHMEPRUEFZEUGNIS		CERTIFICAT DE CONTROLE	
 <b>TALLEY METALS</b> A Carpenter Company		<p>THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL A.M., TITLE 18, CHAPTER 47.</p> <p>THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.</p> <p>NATURAL IS MANUFACTURED FREE FROM MERCURY, RADON, ALPHA AND GAMMA SOURCE CONTAMINATION.</p> <p>THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.</p>			
Talley Metals Technology, Inc. 205 Talley Metals Lane McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592		09/11/13 CUSTOMER/BESTELLER/CLIENT			
COPPER & BRASS SALES 22355 W ELEVEN MILE SOUTHFIELD, MI 48034		TALLEY METALS TECH, INC. ACCOUNTS PAYABLE P. O. BOX 2498 HARTSVILLE, SC 29551			
CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./MEREI-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS		
5400188763-0010	TLY263901 L17437	09/06/13	1570.00		
HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE:		745675			
PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED COLD FINISH		UNS NUMBER S17400			
SPECIFICATION: TALLEY 17-4T3A CAP OF H900 AMS 2303 REV F (08/10) AMS 2315 REV G (02/13) AMS 5643 REV R (02/08) UNS S17400 ASTM-A484-13A ASTM-A564-13 ASME-SA564 2011 EDITION AISI 630 *ASTM-F899-12B					
SIZE 0.750000 IN. ( 19.05 MM) RD BAR					
PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)					
C (COM)	MN(XRF)	SI(XRF)	P (XRF)	S (COM)	CR(XRF)
0.030	0.86	0.42	0.022	0.025	15.33
NI(XRF)	MO(XRF)	CU(XRF)	N (FUS)	CB(XRF)	TA(XRF)
4.31	0.27	3.74	0.025	0.25	LT .02
CB+TA 0.27					
THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES THIS MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS OPERATIONS QUALITY PROGRAM MANUAL REVISION 30, DATED 09/28/11.					
DISCS MACROETCHED AND APPROVED					
HARDNESS AS SHIPPED 304HBW ( 32HRC )					
MAGNETIC PARTICLES: FREQUENCY = 0 / SEVERITY = 0					
MICROSTRUCTURE - FERRITE - NONE					
CAPABILITY					
900 F ( 482 C ), 01 HR AIR COOL					
HARDNESS 421HBW ( 45HRC )					
SOLUTION ANNEALED - 1900 F, 1 HOUR - RAPID COOL					
CONTINUED ON NEXT PAGE					

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402783126

CstAr CstOr 253270

Wgt.: 1,000.000 LB Date 10/30/2013

*John L. Zambetti*

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
.750" DIA X 144.0000"  
PART NO.

PO/Rel 25832

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furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-897217-001

22Sep14

Signed by:

Pg 2/2

### CERTIFICATE OF TESTS

CERT SERIAL# 000892657



**TALLEY METALS**  
A Carpenter Company

Talley Metals Technology, Inc.  
205 Talley Metals Lane  
McBee, SC. 29101 Tel: (610) 205-2000 (800) 338-4592

09/11/13

CUSTOMER/RESELLER/CLIENT

COPPER & BRASS SALES  
22355 W ELEVEN MILE  
SOUTHFIELD, MI 48034

### ABNAHMEPRUEFZEUGNIS

### CERTIFICAT DE CONTROLE

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, CADMIUM, ALPHA AND BETA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

SELER/VERKÄUFER/VENDEURPAGE 2 OF 2

TALLEY METALS TECH, INC.

ACCOUNTS PAYABLE  
P. O. BOX 2498  
HARTSVILLE, SC 29551

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./VERS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400188763-0010	TLY263901 L17437	09/06/13	1570.00

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: 745675

UNS NUMBER S17400

CAPABILITY

900 F ( 482 C ), 01 HR

AIR COOL

(T)RANSVERSE (L)ONGITUDINAL  
YIELD STRENGTH, (0.20 %) KSI(MPA) 205.0 ( 1413 )  
TENSILE STRENGTH, KSI(MPA) 210.0 ( 1448 )  
ELONGATION IN 1.40" % 12.0  
REDUCTION OF AREA, % 52.0

NO WELD REPAIR PERFORMED  
MATERIAL HAS BEEN MELTED AND MANUFACTURED IN THE USA WHICH IS A QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.  
CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE REVIEW INSTITUTE. THIS CERTIFICATE OF TEST IS TYPE 3.1 PREPARED IN ACCORDANCE WITH EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS, AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.

SHARON S. BRUNSON  
QUALITY ASSURANCE REP.  
CARPENTER TECHNOLOGY CORPORATION

SSRD01402

*Sharon Brunson*

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.  
Die vorstehende Zertifikatsangabe ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt keine Haftung für die von anderen Parteien abgegebenen Aussagen oder Zertifikatsangaben.  
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume aucune responsabilité pour toute certification ou affirmation faite à un tiers par d'autres personnes.

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402783126

CstAr

CstOr 253270

Wgt.: 1,000.000 LB

Date 10/30/2013

*John J. Zambetti*



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
50" DIA X 144.0000"  
PART NO.

PO/Rel 25832

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by:

*[Signature]*

Certificate of Mill Test Results

BL PEC-897217-002

22Sep14  
Pg 1/1



740 Imperial Road North

## METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Certificate: 978281 17

Mail To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 8/20/2014 Page: 1

Steel: 303

Finish: CD

Your Order: PEC258796

NAS Order: PN 0041294 03

Corrosion:

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/12 EN 10204 3.1, ASTM A484/11  
AMS 5640B-TYPE 1, Q08-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE  
2011/65/EU ROHS, EAF+ADB+CC. NO WELD REPAIR. MELTED AND RTG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BG5581 7		5.000		1.153	144.00	1	1	

### CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
N2H5	US	.0499	.1285	17.0085	.3850	1.8035	.3395	.0489	8.3445	.0290

S % .3400  
SI % .4735

### MECHANICAL PROPERTIES

Product Id	1 d o l o z	HB Mo.	.2YS KSI	UTS KSI	RA %	Elng % 2"
BG5581 7	RL	210.0	88.79	108.43	30.22	27.75

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

*[Signature]*

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS

.750" DIA X 144.0000"

PART NO.

PO/Rel 25832

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-897217-003

22Sep14

Signed by:

Pg 1/1

### VIRAJ PROFILES LIMITED

**VIRAJ**®

Regi & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com  
Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, vielqc@viraj.com

#### TEST CERTIFICATE

##### CUSTOMER

FIDELITY PAC METALS LTD.

303 North Service Rd East, Unit 1, Oakville ON

L6H 1A7

CANADA

##### ORDER NO

PO#2722

##### PACKING LIST NO

51/966406/5

##### INSPECTION NO

100003517176

##### DATE

04.02.2014

##### GRADE

T-303

##### HEAT No

32150

##### BUNDLE NO :

1100118036, 1100118037,

##### DESCRIPTION

STAINLESS STEEL BRIGHT BARS

##### COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
3/4"	ROUND	ASTM A484	12' - 14'	109	1,989.000 LB

##### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0440	1.860	0.400	0.0080	0.0340	17.450	8.080	0.540	0.240	0.150	0.03600

##### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
83.0	103.0	39.0	56.0	211.0	7.0

##### SPECIFICATION:

MATERIAL CONFIRMS TO DIN 10083-3:2005 COND-A & ASTM A 582/A582M-13 COND A, ASTM A 388-05, ASTM A 484-10, AMS 5640R TYPE I, EXCEPT MARKING, QQS-764BA2 COND A, EXCEPT MARKING, UNS-S-30300, ASTM A314-2008, ASTM A320/A320M-11a B8F CLASS 1, ASME SA 320 B8F CL1 MIL-S-862 B GRADE AISI 303 & WNR 1.4305.  
CERTIFIED AS PER EN 10204-3.1

##### REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1/2 HRS, WATER QUENCHED, MELT SOURCE AOD. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR  
K R K MURTHY



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SQ BAR 304L  
1.00" X 144.0000"  
PART NO.

PO/Rel 25832

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

Signed by: 

BL PEC-897217-004

22Sep14

Pg 1/1

### MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 1 page (Page# 1)

Customer: COPCON PO#:PEC-260832/260833 SO#:LCNU81

MTR#:VJSB97317205.GIF

Item:SB4L0100 Bundle:VJD1100182960 Heat#:33717

### VIRAJ PROFILES LTD.

**VIRAJ**®

Regd & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com  
Works: SURVEY No- 114, 119 & 120, VII T, Mahagaon, Tal: Pulgar, Dist: Thane-401501, MAHARASHTRA, INDIA. virajqc@viraj.com

### TEST CERTIFICATE

CUSTOMER	ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
TA CHEN INTERNATIONAL INC. L-B 5855 ODISPO AVENUE, LONG BEACH, CA90805.	L43392-S	51/973172/5	100003982855	22.06.2014
			<b>GRADE</b> T-304/304L	<b>HEAT No</b> 33717

**BUNDLE NO :**  
1100182961, 1100182960,

### DESCRIPTION

STAINLESS STEEL BRIGHT BARS

### COLD DRAWN & BUFF FINISH

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
1"	SQUARE	ASTM A484	12' R/L	71	2,276.000 LB

### CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0230	1.230	0.360	0.0300	0.0330	18.170	8.050	0.560	0.340	0.160	0.08500

### TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
75.0	105.0	45.0	67.0	208.0	6.0

### SPECIFICATION:

MATERIAL CONFIRMS TO ASTM A 276-13, COND. A, A 479-479M-13, COND. A, A 193-193M-13b & A320-320M-13a HR CL1, A484-13a, A 182-182M-13, ASTM A314-2008 CHEMISTRY ONLY, ASME SA 479-13a, COND. A, SA 193-2011a HR CL1, SA 320-2011a HR CL1, SA-182-2011a (CHEMISTRY ONLY), NACE MR0175-2003, NACE MR0175-15156, AMS QQ-S-763 B, COND. A, (EXCEPT MARKING), AMS 5639H/ 5647J (EXCEPT MARKING), INTERGRANULAR CORROSION TEST AS PER ASTM A 262-10 PRACTICE E, GRAIN SIZE AS PER ASTM E112-2010, IMPROVED MACHINABILITY QUALITY, UNS-S-30400-S-30403, CERTIFIED AS PER EN 10204-3.1

### REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1hr/min, WATER QUENCHED, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION, MELT SOURCE: AOD, MELT & MANUFACTURED: INDIA

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

  
WORKS INSPECTOR  
K R K MURTHY

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B1.00x1.00  
 DATE: 14-09-26

PO / BATCH NO.: 1025832

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1"  
 THICKNESS RECEIVED: 1"  
 SHEET SIZE ORDERED: Ø  
 SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<u>33717</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<u>M304 B 1.00x1.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<u>M130451</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="checkbox"/> Y	<input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="checkbox"/> Y	<input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 9</u> DATE: <u>14-09-26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30380.750  
 DATE: 14-09-26

PO / BATCH NO.: P025832

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 48'  
 QUANTITY INSPECTED: 48'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750"  
 THICKNESS RECEIVED: .750"  
 SHEET SIZE ORDERED: 0  
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	32150
CORRECT MATERIAL IDENTIFICATION	(Y)	N	M30380.750
CORRECT M# ON THE MATERIAL	(Y)	N	M30451
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>	<b>ENGINEERING SIGNOFF (if required)</b>
INSPECTED BY: <u>DAS 9</u> DATE: <u>14-09-26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R0.500  
 DATE: 14.09.26

PO / BATCH NO.: P025832

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 43'  
 QUANTITY INSPECTED: 43'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500  
 THICKNESS RECEIVED: .500  
 SHEET SIZE ORDERED: 0  
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	M303 R0.500
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	N2H5
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	M303 R0.500
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	M130451
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>JAS</u> <u>9</u> <u>9.20</u>	SIGNED OFF BY: _____
DATE: <u>14.09.26</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M174R0.75  
 DATE: 14-09-26

PO / BATCH NO.: P025532

MATERIAL CERT REC'D: ✓  
 QUANTITY RECEIVED: 24 ft  
 QUANTITY INSPECTED: 24 ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750"  
 THICKNESS RECEIVED: .750"  
 SHEET SIZE ORDERED: Ø  
 SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	745675
CORRECT MATERIAL IDENTIFICATION	(Y) N	M174R0.75 -
CORRECT M# ON THE MATERIAL	(Y) N	M130451
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>9</u> DATE: <u>14-09-26</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO25832

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

Page Number 1 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

REVISED met.

Contact Name	Buyer	Chantal Lavoie
Vendor Phone 905 669 9444	Customer POID	
	Customer Tax #	10127-2607
Ship To Contact	Terms	Net 30
Ship To Phone	Currency	CAD
Ship Via: VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:		

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M7075T6B7.000X2.000	7075-T6 BAR 7.000" X 2.000" (order in billets)	9/26/2014 10/31 Yes		23.00 f	\$77.30	\$1,778.00
			9/26/2014				
		MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE					

NOTE: PLEASE CUT TO SIZE: 20 PCS CUT 13.375" GRAIN DIRECTION ALONG LENGTH

Line Total: \$1,778.00

M174R0.750 17-4 round bar .750 9/26/2014 Yes 9/26/2014

24.00 f \$7.50 \$180.00

MATERIAL: 17-4 PH / S17400 TYPE 630 SS ROUND BAR  
PER AMS 5643 OR ASTM A564  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD TENSILE STRENGTH = 100 KSI  
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Note:

9/22/2014





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO25832**

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

Page Number 2 of 4

**Order From :**

VC-COP001

**Ship To :** DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

**Ship Acct:**

VENDOR'S TRUCK

**Buyer**

**Customer POID**

**Customer Tax #**

**Terms**

**Currency**

**FOB**

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

**Line Total:** \$180.00

3 M2024T3S.063

2024-T3 .063 sheet

9/26/2014

192.00

\$4.01

\$770.00

Yes

sf

9/26/2014

MATERIAL: 2024-T3 ALUMINUM SHEET  
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037  
OR ASTM B209

**Line Total:** \$770.00

4 M303B0.750X1.500

303 BAR .750" X 1.500"

9/26/2014

12.00

\$19.58

\$235.00

Yes

f

9/26/2014

MATERIAL: AISI 303 SS BAR AS PER ASTM A582  
NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total:** \$235.00

5 M303B1.000X03.000

303 BAR 1" X 3'

9/26/2014

12.00

\$47.92

\$575.00

No

f

9/26/2014

MATERIAL: AISI 303 SS BAR AS PER ASTM A582  
NOTE: AISI 304/316 NOT ACCEPTABLE

**Note:**

9/22/2014



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO25832**

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

Page Number 3 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

Line Total: \$575.00

6 M303R0.500 303 Round Bar 0.500" 9/26/2014 48.00  
Yes  
9/26/2014

48.00  
f

DAS  
9  
9-89

\$1.65 \$79.20

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$79.20

7 M303R0.750 303 Round Bar 0.750 9/26/2014 48.00  
Yes  
9/26/2014

48.00  
f

DAS  
9  
9-89

\$3.19 \$153.12

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$153.12

Note:

9/22/2014



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO25832**

Purchase Order Date 9/18/2014

PO Print Date 9/22/2014

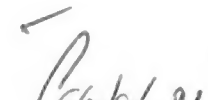
Page Number 4 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

8	M304B1.000X1.000	304 bar 1.00 x 1.00	9/26/2014 Yes 9/26/2014	12.00 f	 DAS 9 9-89	\$12.65	\$151.80
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MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Line Total: \$151.80

10	71401-45	PROCUREMENT QUALITY CLAUSES	9/26/2014 No 9/26/2014	1.00		\$0.00	\$0.00
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Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

Line Total: \$0.00

PO Total: \$3,922.12

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 2 Change Date: 9/22/2014